

DURANEX® 310NFP

Polyplastics - Polybutylene Terephthalate

General Information

Product Description

PFAS Free, Halogen-free, Higher Comparative Tracking Index

GF10% Reinforced

General

Filler / Reinforcement	• Glass Fiber, 10% Filler by Weight
Features	• Halogen Free • High CTI • PFAS Free
UL File Number	• E213445
Forms	• Pellets
Part Marking Code (ISO 11469)	• >PBT-GF10FR(40+30)<

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density	1.40	g/cm ³	ISO 1183
Water Absorption (24 hr, 73°F, 0.0394 in)	0.20	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress	9860	psi	ISO 527-2
Tensile Strain (Break)	3.5	%	ISO 527-2
Flexural Modulus	725000	psi	ISO 178
Flexural Stress	16700	psi	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (73°F)	1.9	ft·lb/in ²	ISO 179/1eA
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load 264 psi, Unannealed	392	°F	ISO 75-2/A
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	3.0E+16	ohms·cm	IEC 60093
Electric Strength (0.118 in)	480	V/mil	IEC 60243-1
Comparative Tracking Index	475	V	IEC 60112
Flammability	Nominal Value	Unit	Test Method
Flame Rating	V-0		UL 94
Additional Information	Nominal Value	Unit	
Color Number	EF2001/ED3002		